0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.175)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	·
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	FE03-02404WO
1	Title of Invention	RECTIFYING DEVICE, ELECTRONIC CIRCUIT USING THE SAME, AND METHOD OF MANUFACTURING RECTIFYING DEVICE
11	Applicant	
11-1	This person is	applicant only
11-2	Applicant for	all designated States except US
11-4	Name	FUJI XEROX CO., LTD.
II-5	Address	17-22, Akasaka 2-chome, Minato-ku, Tokyo 1070052 Japan
11-6	State of nationality	JP
11-7	State of residence	JP
11-8	Telephone No.	03-3585-8317
11-9	Facsimile No.	03-3585-8321

III-12   This person is   applicant and inventor   US only	III-1	Applicant and/or inventor				
III-14   Name (LAST, First)   OKADA, Shinsuke   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   JP     III-16   State of nationality   JP   State of residence   JP     III-27   Applicant for   US only   HIRAKATA, Masaki   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   JP     III-28   State of nationality   JP     III-29   State of nationality   JP     III-20   State of nationality   JP     III-30   Applicant and/or inventor   JP     III-31   Applicant for   US only   Managama 2590157   Japan   JP     III-34   Applicant for   US only   Managama 2590157   Japan   JP     III-35   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   JP     III-36   State of nationality   JP   JP   JP   JP   JP   JP   JP   J	-1-1	This person is	applicant and inventor			
III-1-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan     III-1-7   State of nationality   JP     III-2-1   Applicant and/or inventor     III-2-2   Applicant for   US only     III-2-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan     III-2-6   State of nationality   JP     III-3-1   Applicant for   US only     III-3-1   Applicant and/or inventor     III-3-2   Applicant for   US only     III-3-3   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi     III-3-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     III-3-6   State of nationality   JP     III-3-7   State of residence   JP     III-3-8   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     Japan   JP     III-4   Applicant and/or inventor     III-4-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     Address   JP     III-4-6   State of nationality   JP     III-4-7   Japan   JP     III-4-8   JP   JP   JP     III-4-8   JP   JP   JP   JP     III-4-8   JP   JP   JP   JP   JP   JP   JP   J	III-1-2	Applicant for	US only			
Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   Ja	III-1-4	Name (LAST, First)				
III-17   State of residence	III-1-5	Address	Nakai-machi, Ashigarakami-gun, Kanagawa 2590157			
III-2   Applicant and/or inventor   III-2-1   This person is   Applicant for   US only   III-2-2   Applicant for   US only   III-2-3   Address   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   III-2-6   State of nationality   JP   III-3-1   This person is   Applicant and/or inventor   US only   III-3-2   Applicant for   US only   III-3-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   III-3-6   State of nationality   JP   III-4-1   Applicant and/or inventor   III-4-2   Applicant and/or inventor   III-4-1   This person is   Applicant and inventor   III-4-1   Applicant and/or inventor   III-4-2   Applicant and/or inventor   III-4-4   Applicant and/or inventor   III-4-5   Address   Address   Applicant and inventor   III-4-6   State of nationality   Applicant and inventor   III-4-5   Address   Applicant and inventor   III-4-6   State of nationality   Applicant and inventor   III-4-7   Applicant and inventor   III-4-8   State of nationality   Applicant and inventor   III-4-8   State of nationality   Applicant and inventor   III-4-8   State of nationality   Applicant and inventor   III-4-9   Applicant and inventor   III-4-1   Applicant and inventor   III-4-1   Applicant and inventor   III-4-1   Applicant and inventor   III-4-1   Applicant and inventor   III-4-2   Applicant and inventor   III-4-3   Applicant and inventor   III-4-4   Applicant and inventor   III-4-5   Address   Applicant and inventor   III-4-6   Applicant and inventor   III-4-7   Applicant and inventor   III-4-8   Applicant and inventor   III-4-9   Applicant and inventor   III-4-1   Applicant and inventor   III-4-1   Applicant and inventor   III-4-1	III-1-6	State of nationality	JP			
III-2-1	III-1-7	State of residence	JP			
III-2-2 Applicant for US only III-2-3 Name (LAST, First) HIRAKATA, Masaki III-2-5 Address C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-2-7 State of nationality III-3-1 This person is III-3-2 Applicant for III-3-4 Address C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-3-5 State of nationality III-3-7 State of residence III-4-1 This person is III-4-2 Applicant and/or inventor III-4-1 This person is III-4-1 Applicant and/or inventor III-4-1 Applicant and/or inventor III-4-2 Applicant for III-4-3 Address C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, III-4-4 Name (LAST, First) ANAZAWA, Kazunori C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-4-6 State of nationality III-4-7 Japan III-4-8 State of nationality III-4-9 State of nationality III-4-1 State of nationality III-4-2 State of nationality III-4-2 State of nationality III-4-3 State of nationality III-4-6 State of nationality III-4-1 State of nationality III-4-1 State of nationality III-4-2 State of nationality III-4-1 State of nationality III-4-1 State of nationality III-4-2 State of nationality III-4-2 State of nationality III-4-3 State of nationality III-4-4 State of nationality III-4-4 State of nationality III-4-5 State of nationality III-4-6 State of nationality III-4-7 State of nationality III-4-8 State of nationality III-4-9 State of nationality II	III-2	Applicant and/or inventor				
III-24   Name (LAST, First)   HIRAKATA, Masaki   C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan   JP     III-2-6   State of nationality   JP   JP     III-3-1   This person is   applicant and inventor   US only     III-3-2   Applicant for   US only   MANABE, Chikara   C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan     III-3-5   State of nationality   JP     III-4-1   Applicant and/or inventor   This person is   applicant and inventor     III-4-2   Applicant for   US only   ANAZAWA, Kazunori     III-4-5   Address   C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     ANAZAWA, Kazunori   C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     ANAZAWA, Kazunori   C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157     Anagama 2590157   Japan   JP	III-2-1	This person is	applicant and inventor			
III-2-5 Address Co/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-2-6 State of nationality JP III-3-1 This person is applicant and inventor III-3-2 Applicant for US only III-3-4 Name (LAST, First) MANABE, Chikara C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-3-7 State of nationality JP III-3-1 This person is applicant and inventor III-4-1 This person is applicant and inventor III-4-2 Applicant and/or inventor III-4-4 Name (LAST, First) ANAZAWA, Kazunori C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-4-5 State of nationality JP III-4-6 State of nationality JP	111-2-2	Applicant for	US only			
Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  JP  JP  JP  JP  JP  JP  JP  JP  JP  J	III-2 <del>-4</del>	Name (LAST, First)	-			
III-2-7   State of residence	III-2-5	Address	Nakai-machi, Ashigarakami-gun, Kanagawa 2590157			
III-3 Applicant and/or inventor III-3-1 This person is III-3-2 Applicant for III-3-4 Name (LAST, First) III-3-5 Address III-3-5 State of nationality III-3-7 State of residence III-4-1 This person is III-4-2 Applicant and/or inventor III-4-2 Applicant and/or inventor III-4-5 Address III-4-5 State of nationality III-4-6 State of nationality III-4-7 This person is III-4-8 State of nationality III-4-8 State of nationality III-4-9 State of nationality III-4-6 State of nationality III-4-6 State of nationality III-4-6 State of nationality III-4-6 State of nationality III-4-7 This person is III-4-8 State of nationality III-4-8 State of nationality III-4-9 State of nationality III-4-6 State of nationality III-4-6 State of nationality III-4-7 This person is III-4-8 Applicant and inventor III-4-9 Applicant and inventor III-4-9 Applicant and inventor III-4-9 Applicant and inventor III-4-1 This person is III-4-2 Applicant and/or inventor III-4-2 Applicant and/or inventor III-4-1 This person is III-4-2 Applicant and/or inventor III-4-1 This person is III-4-2 Applicant and/or inventor III-4-1 This person is III-4-2 Applicant and/or inventor III-4-2 Applicant and/or inventor III-4-2 Applicant and/or inventor III-4-3 Applicant and/or inventor III-4-4 Name (LAST, First) III-4-5 Applicant and inventor III-4-6 State of nationality III-4-7 This person is III-4-8 Applicant and inventor III-4-9 Applicant and inventor III-4-1 This person is III-4-2 Applicant and inventor III-4-1 This person is III-4-2 Applicant and inventor III-4-1 This person is III-4-1 This person is III-4-2 Applicant and inventor III-4-1 This person is III-4-1 This person is III-4-2 Applicant and inventor III-4-1 This person is III-4-1 This person is III-4-1 This person	III-2-6	State of nationality	JP			
III-3-1   This person is   applicant and inventor     III-3-2   Applicant for   US only     III-3-4   Name (LAST, First)   MANABE, Chikara     III-3-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa     2590157   Japan     III-3-6   State of nationality   JP     III-4   Applicant and/or inventor     III-4-1   This person is   applicant and inventor     III-4-2   Applicant for   US only     III-4-4   Name (LAST, First)   ANAZAWA, Kazunori     III-4-5   Address   C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa     2590157   Japan     III-4-6   State of nationality   JP     III-4-6   State of nationality   JP     III-4-7   State of nationality   JP     III-4-8   State of nationality   JP     III-4-1   State of nationality   JP     III-4-2   State of nationality   JP     III-4-1   State of nationality   JP     III-4-2   State of nationality   JP     III-4-1   State of nationality   JP     III-4-2   State of nationality   JP     III-4-2   State of nationality   JP     III-4-3   State of nationality   JP     III-4-1   State of nationality   JP     III-4-2   State of nationality   JP     III-4-3   State of nationality   JP     III-4-1   State of nationality   JP     III-4-2   State of nationality   JP     III-4-3   State of nationality   JP     III-4-4   State of nationality   JP     III-4-5   State of nationality   JP     III-4-6   State of nationality   JP     III-4-1   State of nationality   J	II <b>I-2-7</b>	State of residence	JP			
III-3-2 Applicant for US only III-3-4 Name (LAST, First) MANABE, Chikara  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-3-6 State of nationality JP  III-4 Applicant and/or inventor  This person is applicant and inventor  III-4-2 Applicant for US only  Name (LAST, First) ANAZAWA, Kazunori  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality JP	111-3	Applicant and/or inventor				
Name (LAST, First)  MANABE, Chikara  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-3-6  State of nationality  JP  State of residence  JP  III-4-1  III-4-2  Applicant and/or inventor This person is Applicant for US only Name (LAST, First)  ANAZAWA, Kazunori  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6  State of nationality  JP	III-3-1	This person is	applicant and inventor			
C/O Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157   Japan	III-3-2	Applicant for	US only			
Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-3-6 State of nationality JP  III-4 Applicant and/or inventor  III-4-1 This person is applicant and inventor  III-4-2 Applicant for US only  III-4-4 Name (LAST, First) ANAZAWA, Kazunori  III-4-5 Address C., Etd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality JP	111-3-4	Name (LAST, First)	MANABE, Chikara			
III-3-6 State of nationality  III-3-7 State of residence  III-4 Applicant and/or inventor  III-4-1 This person is  III-4-2 Applicant for  III-4-4 Name (LAST, First)  Address  C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality  JP	III-3-5	Address	Nakai-machi, Ashigarakami-gun, Kanagawa 2590157			
III-3-7 State of residence  III-4 Applicant and/or inventor  III-4-1 This person is  Applicant for  III-4-2 Applicant for  III-4-4 Name (LAST, First)  Address  C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality  JP	III-3-6	State of nationality	<del>-</del>			
III-4-1 This person is applicant and inventor III-4-2 Applicant for US only III-4-4 Name (LAST, First) ANAZAWA, Kazunori III-4-5 Address c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan III-4-6 State of nationality JP	III-3-7	State of residence				
Applicant for  III-4-2 Applicant for  III-4-4 Name (LAST, First)  Address  Address  C/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality  JP	111-4	Applicant and/or inventor				
III-4-2 Applicant for  III-4-4 Name (LAST, First)  ANAZAWA, Kazunori  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality  JP	III-4-1	This person is	applicant and inventor			
Name (LAST, First)  ANAZAWA, Kazunori  c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality  JP	III-4-2	Applicant for				
Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan  III-4-6 State of nationality JP	III-4-4	Name (LAST, First)	1			
	III-4-5	Address	Nakai-machi, Ashigarakami-gun, Kanagawa 2590157			
III-4-7 State of residence Jp	111-4-6	State of nationality	JP			
	113-4-7	State of residence	J.D			

	Ta					
III- <b>5</b> III-5-1	Applicant and/or inventor This person is	3.1 1				
	·	applicant and inventor				
III-5-2	Applicant for	US only				
III-5-4	Name (LAST, First)	SHIGEMATSU, Taishi				
III-5-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan				
111-5-6	State of nationality	JP				
III-5-7	State of residence	JР				
111-6	Applicant and/or inventor					
III-6-1	This person is	applicant and inventor				
III-6-2	Applicant for	US only				
III-6-4	Name (LAST, First)	WATANABE, Miho				
III-6-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan				
III-6-6	State of nationality	JP				
111-6-7	State of residence	JP				
111-7	Applicant and/or inventor					
III-7-1	This person is	applicant and inventor				
111-7-2	Applicant for	US only				
III-7-4	Name (LAST, First)	KISHI, Kentaro				
III-7-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan				
III-7-6	State of nationality	Jp _				
III-7-7	State of residence	JP				
111-8	Applicant and/or inventor					
III-8-1	This person is	applicant and inventor				
III-8 <b>-</b> 2	Applicant for	US only				
111-8-4	Name (LAST, First)	ISOZAKI, Takashi				
III-8-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157				
		Japan				
111-8-6	State of nationality					

111-9	Applicant and/or inventor					
III-9-1	This person is	applicant and inventor				
III-9-2	Applicant for	US only				
111-9-4	Name (LAST, First)	OOMA, Shigeki				
III-9-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan				
111-9-6	State of nationality	JP				
III-9-7	State of residence	JP				
III-10	Applicant and/or inventor					
III-10-1	This person is	applicant and inventor				
III-10 <b>-</b> 2	Applicant for	US only				
III-10-4	Name (LAST, First)	WATANABE, Hiroyuki				
III-10-5	Address	c/o Fuji Xerox Co., Ltd., 430, Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 2590157 Japan				
III-10-6	State of nationality	JP				
III-10-7	State of residence	JP				
IV-1	Agent or common representative; or address for correspondence  The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent				
IV-1-1	Name (LAST, First)	NAKAMURA, Tomohiro				
IV-1-2	Address	5th Floor, TKK Nishishinbashi Bldg., 11-5, Nishi-shinbashi 2-chome, Minato- ku, Tokyo 1050003 Japan				
IV-1-3	Telephone No.	03-3593-6606				
IV-1-4	Facsimile No.	03-3593-6607				
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent				
IV-2-1	Name(s)	NARUSE, Katsuo; TORINO, Shoji				
	. <del> </del>					

V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	26 December 2003 (26	.12.2003)
VI-1-2	Number	2003-435577	
VI-1-3	Country	JP	
VI-2	Priority document request		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	Japan Patent Office	(ISA/JP)
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application		
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	8	✓
IX-2	Description	93	_
IX-3	Claims	14	-
IX-4	Abstract	1	<b>✓</b>
IX-5	Drawings	9	-
IX-7	TOTAL	125	

# Paper Copy (NOT for submission)

	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	<b>✓</b>	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	Japanese	1
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	NAKAMURA, Tomohiro	
X-1-2	Name of signatory		
X-1-3	Capacity		
X-2	Signature of applicant, agent or common representative		
X-2-1	Name (LAST, First)	NARUSE, Katsuo	
X-2-2 X-2-3	Name of signatory Capacity		
Х-3	Signature of applicant, agent or common representative		
X-3-1	Name (LAST, First)	TORINO, Shoji	
X-3-2	Name of signatory		
X-3-3	Capacity		

# FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

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## **PCT REQUEST**

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11-1	Date of receipt of the record copy by	 	
	the International Bureau		 